

CLAIMS

1. A stator for an electromagnetic pump comprising: a cylinder whose both end faces are respectively closed by a pair of frames; a movable member having a magnetic body, said movable member being accommodated in said cylinder and capable of reciprocally moving in the axial direction thereof; pump chambers being respectively formed between inner faces of the frames and both side faces of said moving member extended in the moving direction thereof; and an air-core electromagnetic coil being fitted around periphery of said cylinder, characterized in,

that axial end faces of said electromagnetic coil are provided with yokes made of a magnetic material.

2. The stator according to claim 1, wherein a plurality of said air-core electromagnetic coils are fitted around the periphery of said cylinder, and the axial end faces of each of said electromagnetic coils are provided with the yokes made of the magnetic material.

3. The stator according to claim 1, wherein a plurality of said air-core electromagnetic coils are fitted around the periphery of said cylinder, and a spacer made of a nonmagnetic material or an air space is provided between the yokes of said adjacent electromagnetic coils.

4. The stator according to claim 1, wherein a plurality of said air-core electromagnetic coils are fitted around the periphery of said cylinder, and the yokes of each of said electromagnetic coils are extended toward an inner face of each of said electromagnetic coils, which faces a magnetic flux working surface of said moving member.